

## Lyon County

8/31/2020

### Background Statistics<sup>1</sup>

Number of farms: 867

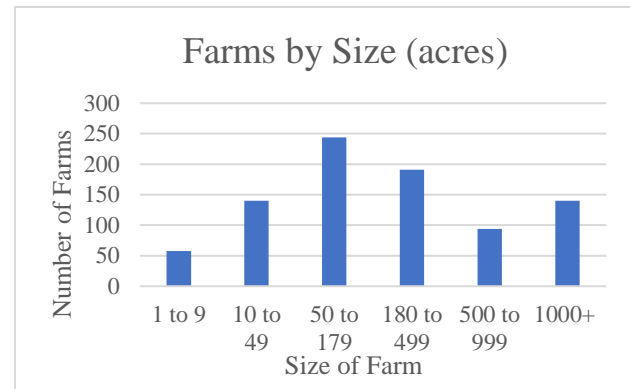
Average size: 603 acres

Land in farms: 522,934 acres

Average value of products sold per farm: \$155,063

Average net cash farm income per farm: \$34,055

1: Data from USDA 2017 Census of Agriculture



### Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Lyon County Economy

#### Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 28 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Lyon County economy.

#### Results

These 28 sectors have a total direct output of approximately **\$2.1 billion** and account for **3,417 jobs** in Lyon County. Running the model for all 28 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Lyon County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	3,417	16%	\$358,400,000	25%	\$2,058,000,000
Indirect Effect	1,325	6%	\$94,500,000	6%	\$216,600,000
Induced Effect	703	3%	\$44,600,000	3%	\$84,600,000
<b>Total Effect</b>	<b>5,445</b>	<b>25%</b>	<b>\$497,500,000</b>	<b>34%</b>	<b>\$2,359,100,000</b>

**NOTE:** Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **5,445 jobs**, or **25%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$2.4 billion**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 28 agriculture, food, and food processing sectors is approximately **\$497.5 million**, or **34%** of the GRP.

## Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, eat processed from carcasses is the top employer with **783 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Lyon County.

Sector	Total Employment
Meat processed from carcasses	783
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	707
Dog and cat food manufacturing	668
Bread and bakery product, except frozen, manufacturing	419
Truck transportation	266
Animal, except poultry, slaughtering	207
Support activities for agriculture and forestry	157
Other real estate	114
All other crop farming	109
Wholesale - Grocery and related product wholesalers	99

## Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The dog and cat food manufacturing sector is the top contributor, with approximately **\$925.5 million** to the Lyon County economy.

Sector	Total Output
Dog and cat food manufacturing	\$925,500,000
Meat processed from carcasses	\$412,400,000
Soybean and other oilseed processing	\$314,300,000
Animal, except poultry, slaughtering	\$152,100,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$82,800,000
Bread and bakery product, except frozen, manufacturing	\$72,000,000
Truck transportation	\$38,100,000
Oilseed farming	\$37,900,000
Other real estate	\$22,900,000
Other animal food manufacturing	\$20,800,000

## All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Lyon County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Dog and cat food manufacturing	\$925,509,034.61	667.50
Meat processed from carcasses	\$412,406,306.89	782.89
Soybean and other oilseed processing	\$314,312,019.66	62.32
Animal, except poultry, slaughtering	\$152,067,866.14	207.03
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$82,796,300.32	706.71
Bread and bakery product, except frozen, manufacturing	\$71,980,043.08	419.03
Oilseed farming	\$37,889,353.47	40.85
Other animal food manufacturing	\$20,827,343.06	18.51
Grain farming	\$17,797,942.18	80.57
Landscape and horticultural services	\$4,777,948.15	88.01
Support activities for agriculture and forestry	\$4,458,643.27	157.01
Veterinary services	\$3,617,446.99	33.70
All other crop farming	\$3,151,229.08	109.21
Frozen cakes and other pastries manufacturing	\$1,247,155.58	15.30
Other snack food manufacturing	\$1,241,754.53	2.36
Animal production, except cattle and poultry and eggs	\$1,011,762.21	9.38
Roasted nuts and peanut butter manufacturing	\$964,187.78	2.32
Wineries	\$476,104.26	1.44
Rendering and meat byproduct processing	\$277,280.38	0.76
Commercial logging	\$241,880.82	2.35
Sawmills	\$233,748.28	0.79
Poultry and egg production	\$226,089.24	0.42
Forestry, forest products, and timber tract production	\$189,069.24	2.25
Greenhouse, nursery, and floriculture production	\$88,584.76	1.05
Fruit farming	\$77,387.41	0.88
Commercial hunting and trapping	\$76,364.84	2.89
Tree nut farming	\$50,286.35	1.56
Vegetable and melon farming	\$29,243.98	0.30

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist  
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